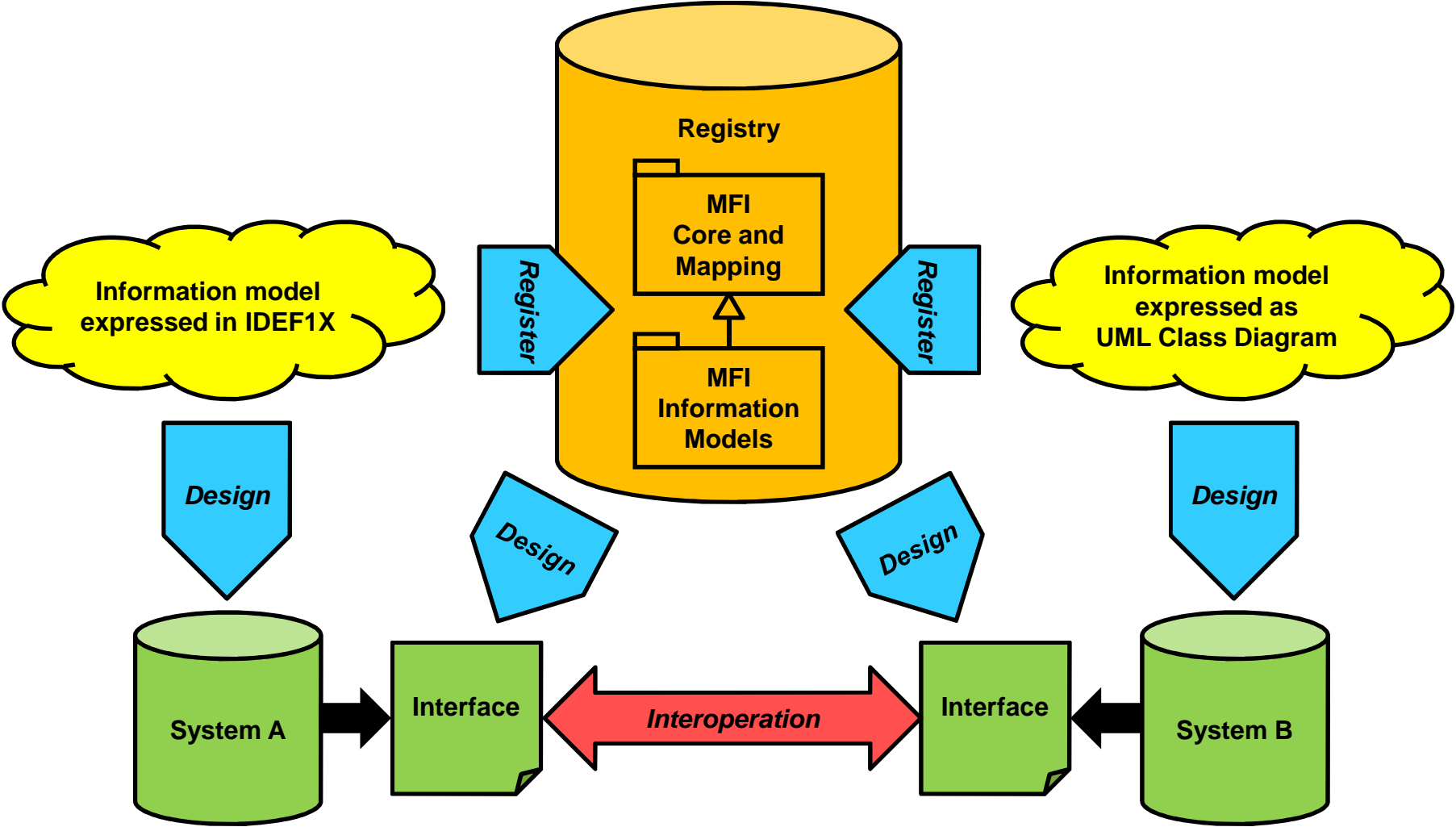


ISO/IEC JTC1/SC32/WG2 N1529

MFI
Metamodel for
Information Models

Keith Gordon

Purpose



Scope

Within scope:

Ellis-Barker notation

IDEF1X notation

Information Engineering notation

Chen notation

Express-G notation

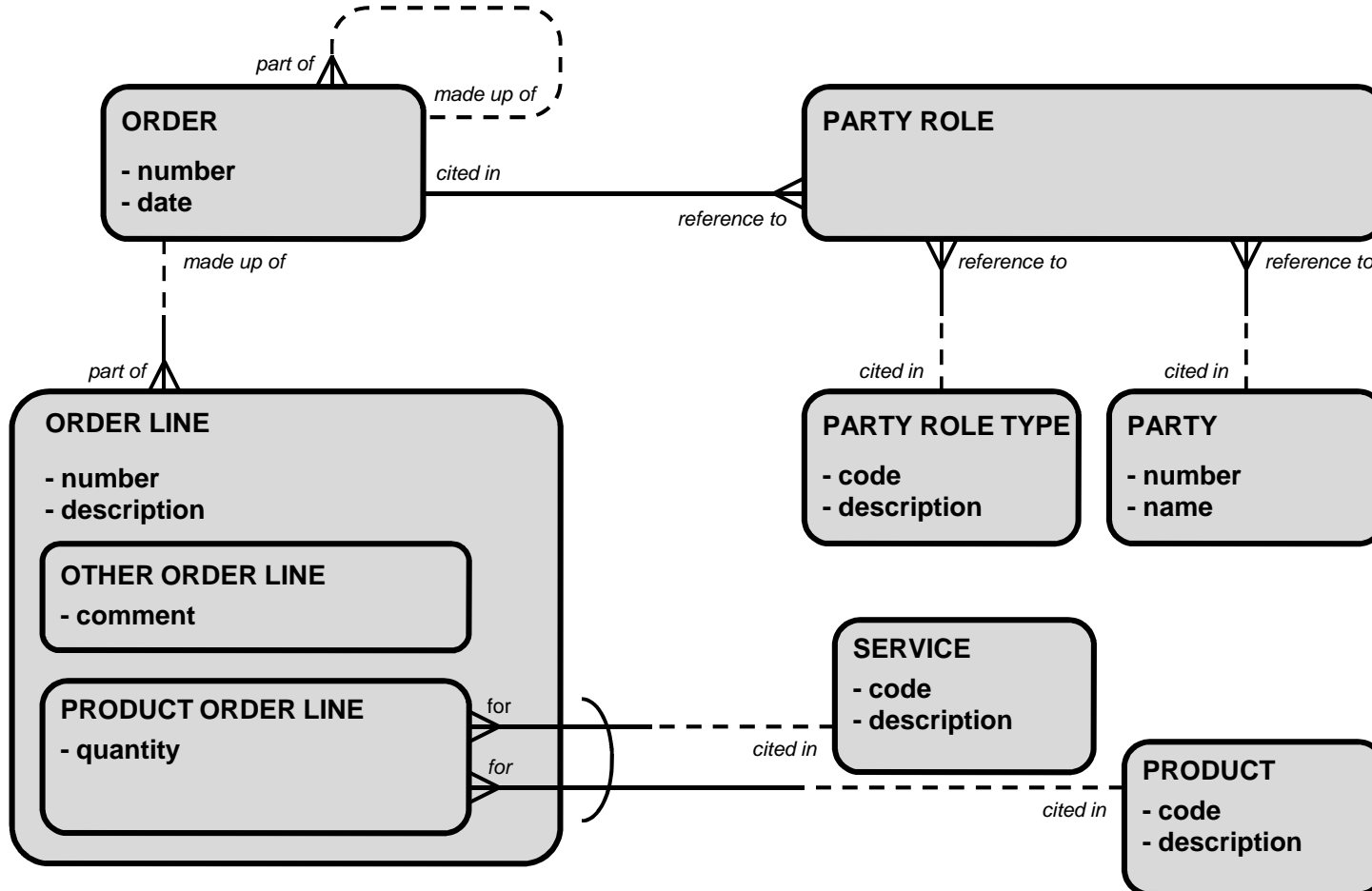
UML Class Diagram notation

Out of scope:

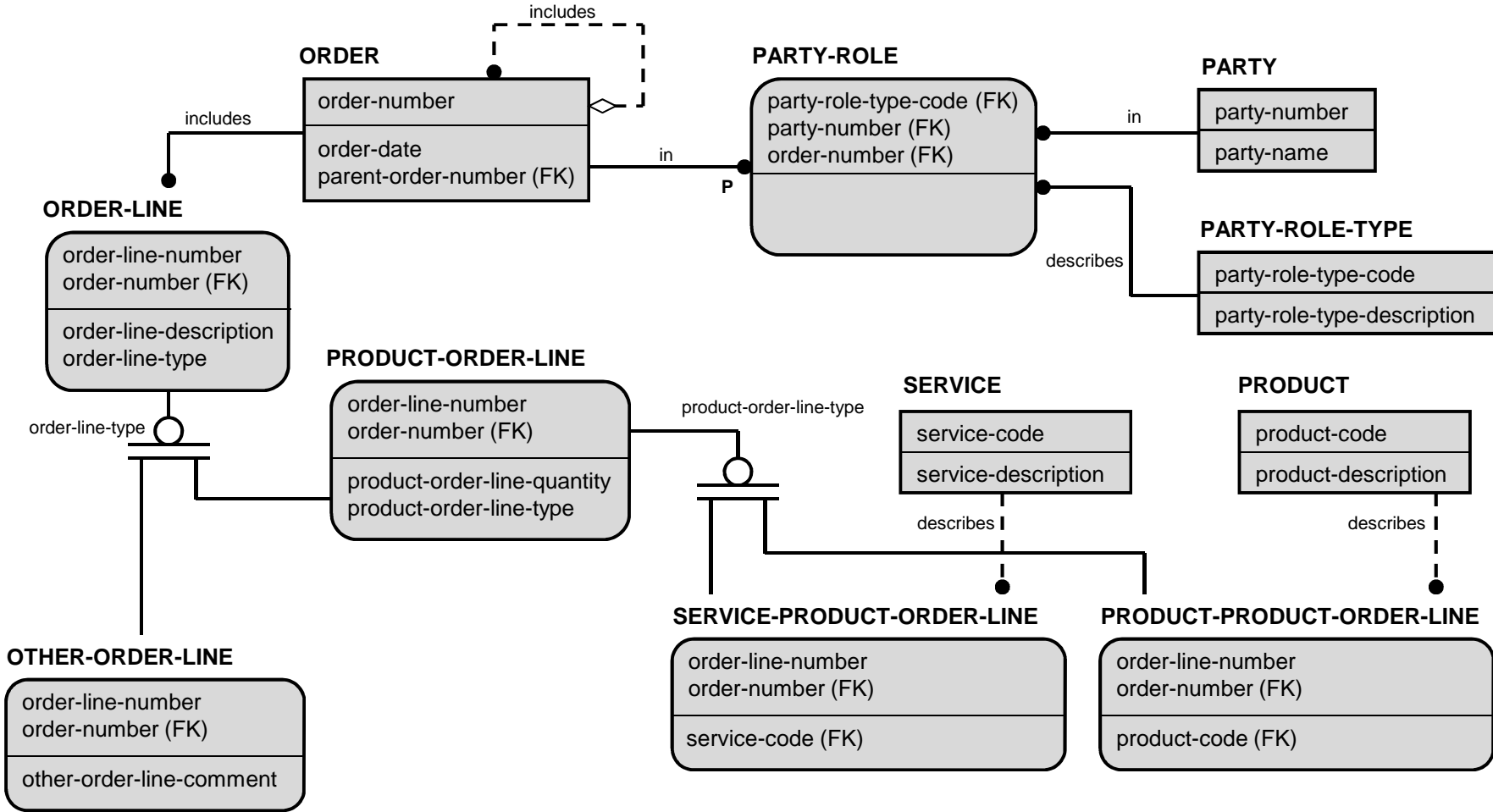
Database schemas

Object Role Modelling

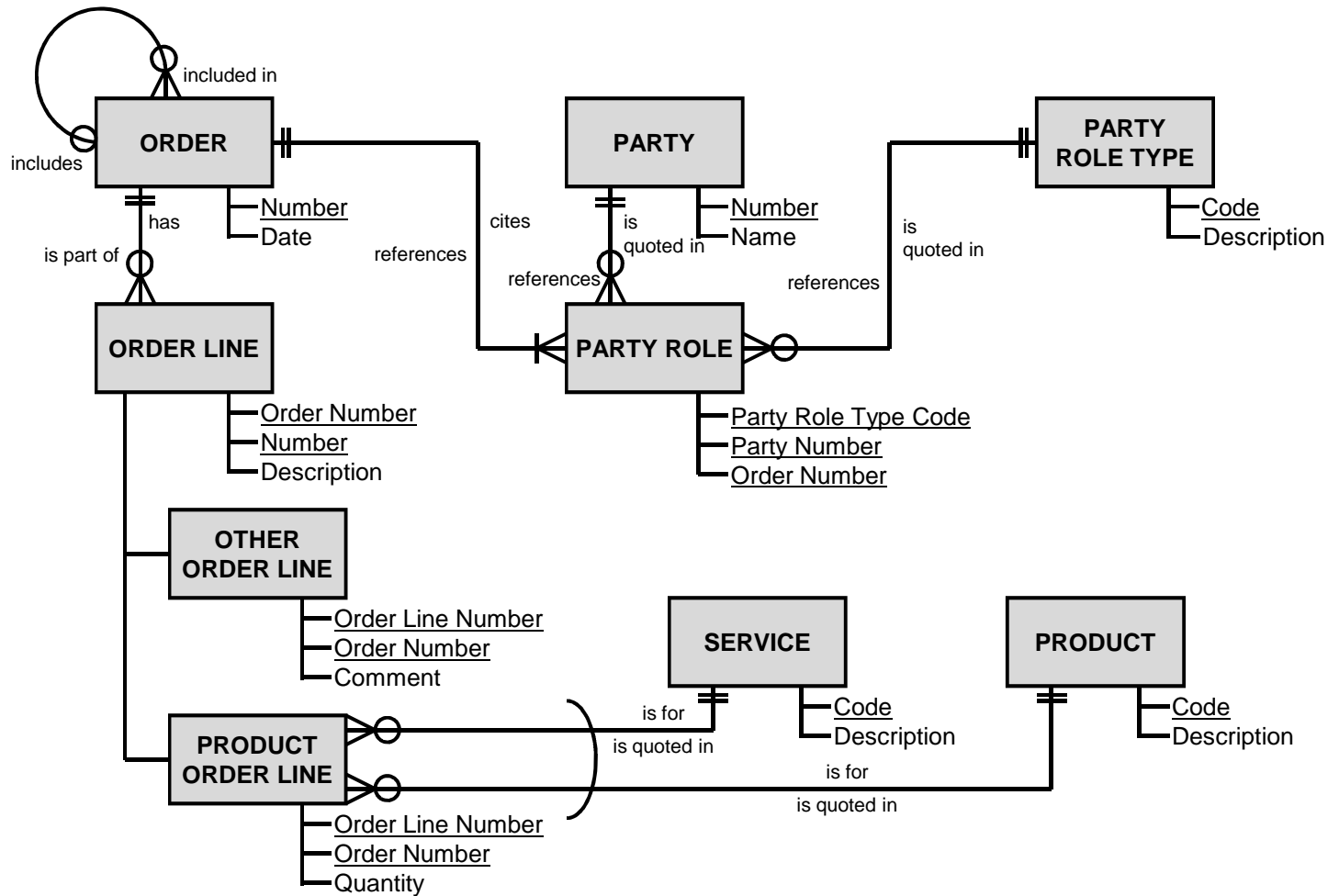
Ellis-Barker notation



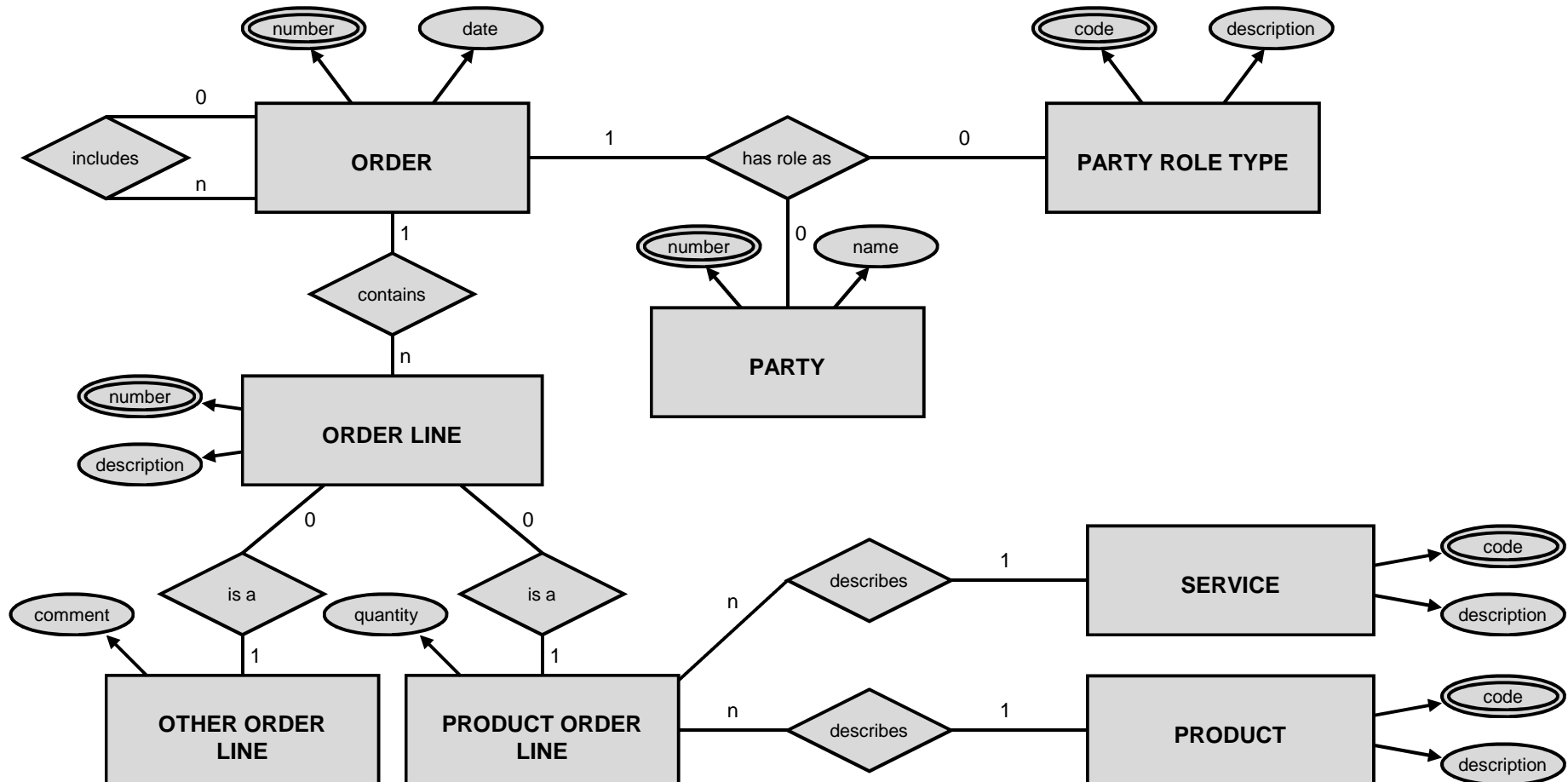
IDEF1X notation



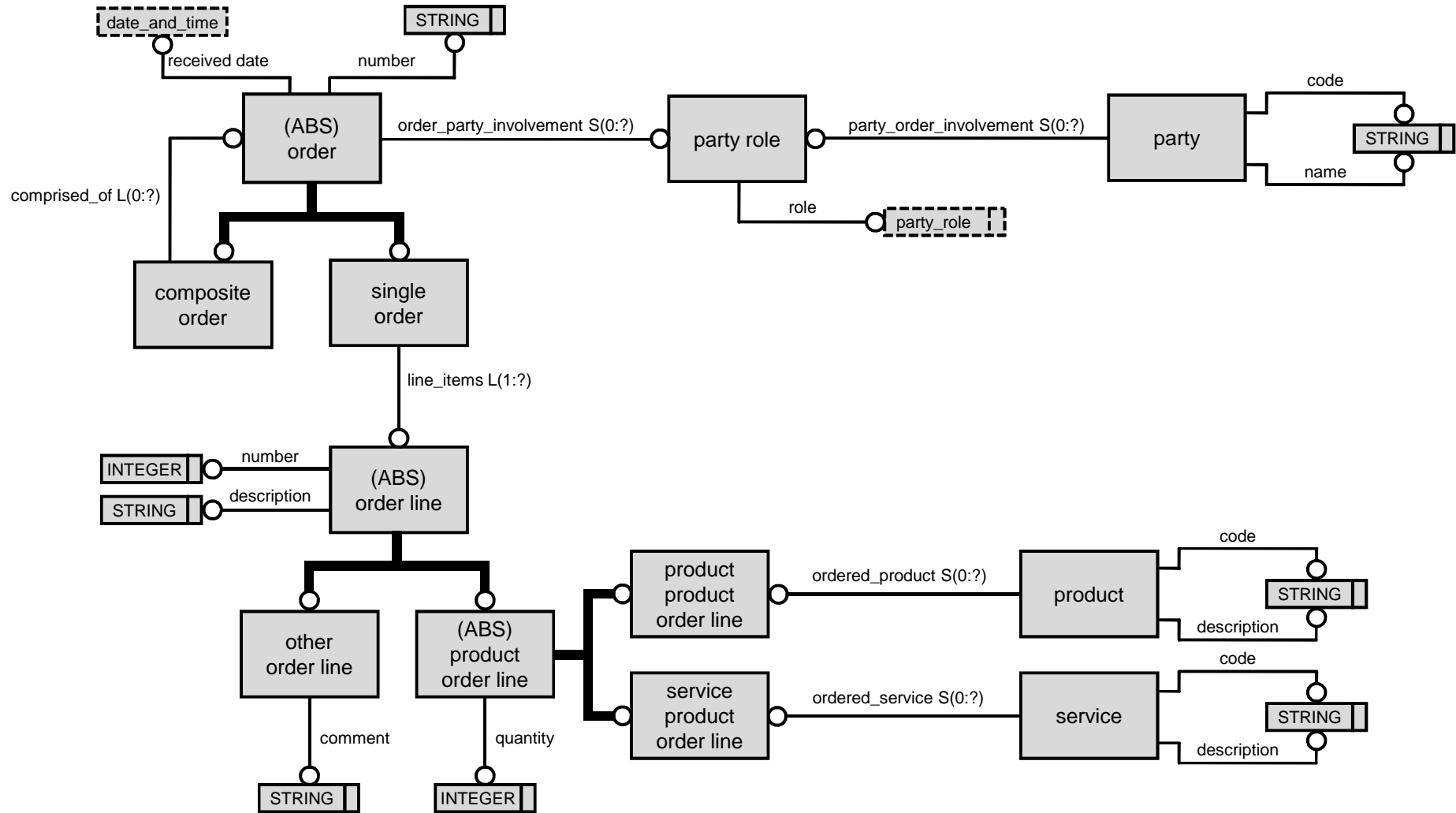
Information Engineering notation



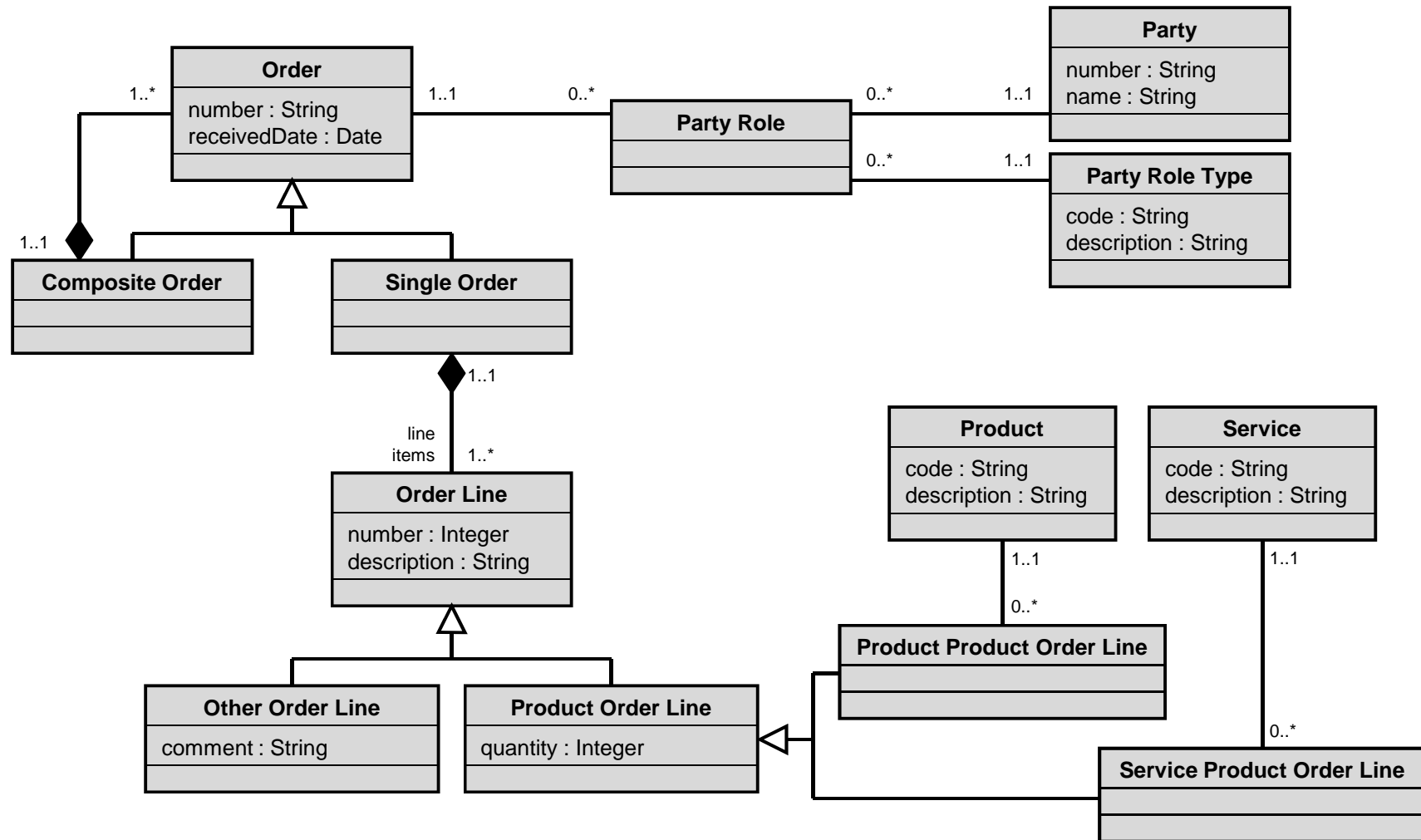
Chen notation



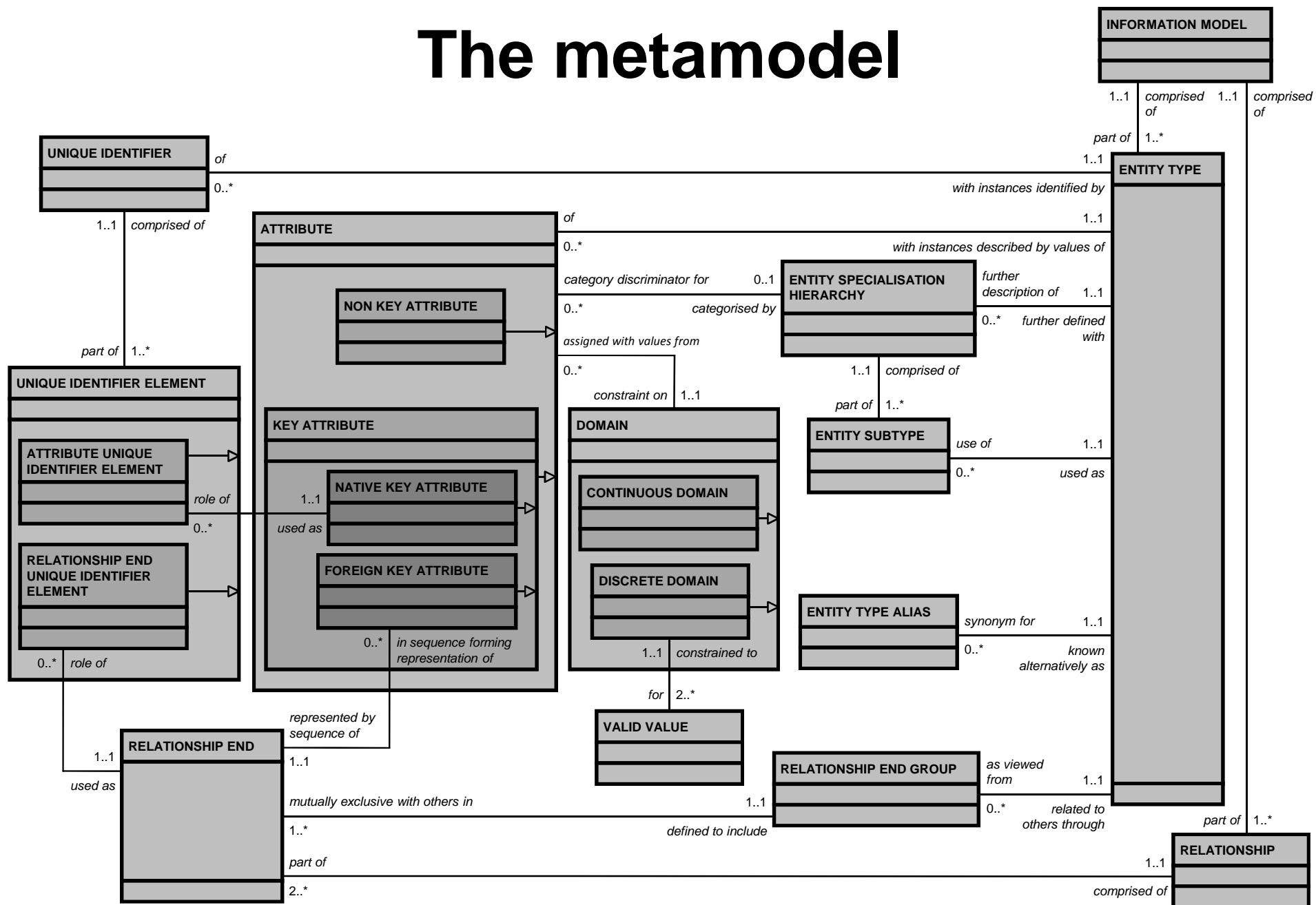
Express-G notation



UML Class Diagram notation

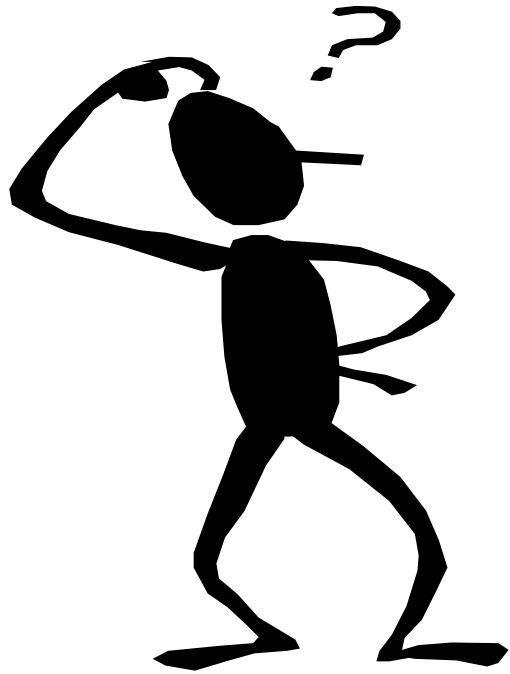


The metamodel



Outstanding issues

- 1) Is it necessary to distinguish between key and non-key attributes?
- 2) Can the domain concept be used for data types?
- 3) Is it necessary to recognise that there are sub-domains?
- 4) Is it OK to handle UML association classes as 'intersection' entity types?
- 5) Do we need to be able to recognise sub-types of UML associations?
- 6) How do we handle the objects and roles of ORM within this metamodel?
- 7) Which notation should be used for the metamodel? (What are the WG2 standards)?
- 8) What are the metaclasses in MFI Core and Mapping?



Any questions?

